



P&DARCS

Pakenham and District Aircraft Radio Control Society



P&DARCS NEWSLETTER DECEMBER 2017



Alan Foley with his nice scratch built 72" Lancaster, 4 electric SK3 1040Kv, swinging 9 x 6, 3 blade master airscrew props' motors controlled alternate in pairs, from two Lithium Batteries, the scale is, 14:1, built from plan by Tony Nijhuis, Laser cut ribs and formers by Andrew Smallridge, covered in 1.5mm balsa, with sikspan and 8 coats of dope, the paint finish was airbrushed

Alan used vinyl decals, but is replacing them with printed graphics. Total work time was around 4 Months working most days

Photo : Andrew Mysliborski

Annual Christmas Dinner & Twi-fly



This year the P&DARCS Christmas Dinner & Twi-Fly will be held on the 9th December
For all the details, look at the NOTICES on page 3

**Next Club meeting, Saturday 2nd December
At the Burley Field, 1-00pm start**

BURLEY FIELD

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Editorial Submissions to:

editor@pdarcs.com.au

EDITOR'S BIT

Gate Guards

During the Kit and Scratch Built two day event 11th and 12th November, we had a number of Members carrying out gate attendance duties

Those guys stood watch over our entrance gate, working in shifts, taking money from all visitors

They slaved away in the hot sun, not complaining, putting up with isolation and extreme conditions associated with their duty, a heavy responsibility

Here is a photo of one shift, taken on the Sunday just before lunch



Rolly' Gauman, keeping watch, Andrew Mysliborski and Norm Parker providing back up

Frank McPherson Editor

WHAT'S ON At P&DARCS 2017

Look in the Club Calendar on page 10

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NOTICES

Annual Christmas Dinner & Twi-fly



This year the annual Dinner & Twi-fly it will be on the 9th December, which is a Saturday. Everyone must book & pay a \$5 per head fee to cover the catering costs & ensure we have enough food on the night.

On the day it will be bookings only, so please if you wish to attend, book in.

There are three ways to book:

- See me at the November or December club meetings
- Print & cutout the booking slip below & send it to us
- Use the PayPal button below. Please note using PayPal incurs a 50c processing fee per attendee.

All bookings must be received by the 3rd of December.

[Buy Now](#)



P&DARCS Christmas Dinner 2017

Name:

Address:

No of tickets required:

Amount enclosed (\$5 each):

Mail to: P&DARCS Christmas Dinner
P.O Box 131 MDC, Cranbourne 3977

ACCESS GATE

There is a new gate access to the paddock to the south of our Main Flying Strip.

The gate provides access to the paddock for retrieval of downed models without the need to climb over the style.

The gate has been modified to prevent livestock entering our Flying field, by making it open one way only & close automatically.

The gate is padlocked, to open it, use your Club Key, and be sure to relock the padlock after you use it.

THE GATE MUST REMAIN LOCKED AT ALL TIMES TO PREVENT LIVESTOCK ENTERING OUT PROPERTY.

Revised flying times Sundays

The Committee has reviewed the Sunday flying times and has decided to amend the 9.00am start to 8.00am for quiet electric prop driven aircraft only.

IC planes and ducted fans must not be flown before 9.00am.

Care must be taken to limit noise.

This will be for a trial period and will be reviewed by the Committee later.

CLASSIC AND VINTAGE WEEKEND

Incorporating Roy Robertson Trophy

27th & 28th January 2018

9.30am to 5.30pm

P&DARCS, Burley Field, Cardinia

Saturday, 27rd January

Classic Aerobatics

Vintage Gliders

Fun Fly (non-timed, skill based events)

Sunday 28th January

Roy Robertson Trophy, incorporating

- Texaco
- Duration

Foam Gliders (mass launch)

Entry fees: \$5.00 per model up to a maximum of \$20.00.

Free camping tents or caravans.

Check our website for more details: www.pdarcs.com.au

PRESIDENT

A great response to the spring clean on 27th October. We had about 35 members come along who achieved a great deal in sprucing the club up which looks fantastic. Thanks to Rob and Georgie Till for catering to the workers with egg and bacon rolls. With this number of people we all had a great day so many thanks to all.

Another great Scratch Built Rally this year. If you didn't get there you missed a good show. I encourage more of our members to enter the event as it was dominated by other clubs. We have heaps of builders so next time come along and enter.

Thanks to Ivan and Andrew for all the work they put in organizing the whole event. As Model Engines are no longer a sponsor they had to create our own P&DARCS show bags. Sponsors are never easy to get but they managed quite a few.

Also a big thanks to all the helpers on the Friday for getting the field in shape and hanging signs, bunting etc. Remembrance Day was observed with a minutes silence and Darryl Slade lowering and hoisting the flag. Sunday saw the arrival of the Morris Car Club who put on a great display. We all look forward to next year's event.

Don't forget the Christmas dinner on the 9th December. You need to book to organise catering so check out the website for bookings.

Happy and safe flying, Alan.

Alan Foley President

FIELD MANAGER

Hi Everyone,

First my apologies for the lack of reports this year. It was a busy year for me, but I did concentrate on the up keep of the field. It would not be possible without the great support from Daniel Jenkins and the mowermen.

Two of our mowermen are unbelievable, Ian Jaques never flies and Rolf Koehler only a few times, yet they always turn up to do the mowing.

I am looking for mowermen who are able to mow on a Thursday or Friday. We try not to mow on a weekend but sometimes we do due to weather. We only mow when the grass is dry so that we do not leave clumps on the runways. Please give me a ring on 0418 586 406.

I did a soil test on our runways and the ph is perfect. The lime and nutrient applications last year have worked. This means low areas on the runways can be top dressed with good soil in Autumn. We have purchased 5 truck loads, 50 cub M, paid by the MAAA grant. We will have them delivered as required and to suit the weather.

Daniel sprayed for the broadleaf and then in October we sprayed for the black African Beetle, whilst in larvae form. So far we have not seen any beetles but I am concerned about the amount of dry grass. Please let me know if you see any. They are approx 10mm diameter.

All 6 zones of runway sprinklers are now operational and can be switched on by my mobile phone app that Daniel set up for me. A green light is also visible on the Hay shed camera to verify the pump is running. A big thanks to Daniel and Frank McP for setting this up. It saves many trips to the field. The new weather gauges are 24/7 real time so I do not run the sprinklers if windy. A great system that allows me to operate it even when interstate.

Finally a big thank you to all who turned up to the October working bee to help raise the low sprinkler heads and to spread a heap of dirt on some low spots on the East runway and the pits. Your efforts certainly help make the place look great and make me proud to be a member.

Hope everyone has a safe and happy festive season.

Norm Morrish Field Manager

SAFETY

No report for this Month

Alan Coleman Safety Officer

FACILITIES

No report for this Month

Paul Somerville Facilities

WEBMASTER

No Report for this Month

Daniel Jenkins Webmaster

SECRETARY

General Meeting Held Saturday 4th November 2017 At Burley Field Cardinia.

Meeting Opened: 1301 hrs

Members Present: 28

Apologies: I Chiselett, Mark Smith D Glossop, D Jenkins, A. Coleman, N. Parker, P. Somerville

Visitors: Nil

New Member: President welcomed Mike Smith to the club.

Minutes of previous Meeting: Motion that the minutes of meeting of the previous be accepted Moved D White, Seconded B. Reynolds. Carried

Business Arising: Nil

Reports:

President:

Thanked the club members for the great attendance at the Club Working Bee and to Rob and Georgie Till for catering. We had a complaint re the Avlite but have worked with the neighbour to temporarily block off the light shining into his property. We will look into a more permanent solution.

Secretary:

- Advised ASAA that we OK'd their Nationals for 2018 to be at our field in early October. Exact date under discussion.
- Email to club member re visitor now exceeding the 4 visits allowed.
- Discussed ne CASA rule restricting ceiling to 400 feet for all clubs and the great work by the MAAA in only one week to rescind this for MAAA clubs.

Treasurer:

The Treasurer provided report on finances. Income from renewals is only \$500 short of budget now.

Registrar:

Advised that membership is at 143 currently and we have one further membership to process. Name will be posted in the next Newsletter.

Editor

Everything running smoothly. Frank also showed progress of the corflute models he is construction for next year's VMAA Trophy.

Social

Next outing planned to be a Point Cook RAAF Museum will be mid-week as guided tours aren't available on weekends. Date now to be Wednesday 17th January 2018. Meet there at 11am.

Daniel is organising payment for Club Christmas party \$5 each attendee. You can give Daniel the money in person or us the Paypal option on the club webpage (small additional fee for this option)

Safety

Apology for meeting. No report.

Webmaster: not present but ask secretary to convey the following to the meeting

- Member reported problem with contact committee function on webpage. Daniel is looking into it
- The Hayshed webcam failed, and Daniel has now replaced faulty component, and all is up and running again now.
- Thanked the members for the great attendance at the Working Bee.

Field

Norm reported on field work done which was

- Soil test shows PH is correct now. Will topsoil after the scale day.
- Sprinkler heads on main runway raised up again.
- Thanked Daniel for spraying weeds and spraying for pests
- Thanked members for great turnout at Working Bee.

Facilities

Was an apology however Norm Morrish reported that Ladies toilets have now been fixed and the fuel storage shed construction is underway.

General Business

Scale Weekend:

Everything ready to go set up will be Friday 10th Nov, School is catering, weather is looking good

Cup Day Aerotow:

Low key event only General flying will still be allowed for other runways.

Club Phone:

Brian Green suggested that a list of committee phone contacts be displayed next to the phone.

Access Gate: Brian Green has installed a gate next to the style on the east west runway. The committee have temporarily locked this gate until it can be modified.

The President acknowledged the gate was a donation from Brian, but advised Brian that he was never actually authorised to install the gate. The arrangement was that Brian was to obtain quotes and submit them to the committee. Alan read out the minutes from the October meeting to confirm this. The President reiterated that the Co-op own the fencing and any work on the property or its assets must be authorised by them. They also have the tenant and his livestock to consider when modifying any fencing.

The President then asked Rob Till (Co-op) secretary to explain why we have temporarily locked the gate. Rob explained that any general access from the flying area to the tenanted area must be self-closing to prevent the cattle and sheep from entering our flying area this isn't good for the livestock or our runways as they will do severe damage to the runway. The gate will be modified to be self-closing and restricted opening. This is so it opens only far enough to let someone through and not let the livestock through. Some components have already been purchased and the modifications will be done over the next few weeks.

Fire extinguishers: There was a comment on Facebook that there was a danger if a model crashed in the outfield and the lipo caught fire and a suggestion that we provide extinguishing equipment. Norm Morrish pointed out that we do already have extinguishers in the Gazebo (TX Pound) and at both Charging Stations. We also have "Fire Beaters" in the Gazebo. So, there is already adequate equipment around the field. The Committee spoke with the CFA about this 3+ years ago re adequate fire protection.

Peter Harris also suggested that we should call the CFA ASAP if the fire can't be controlled quickly as that is their job.

Meeting Closed 1405hrs

David Walsh Secretary

REGISTRAR

New Member Application

- Jeff Hall, Clyde North – Probationary
- Phillip Till, Somerville - Probationary

Any objections to this member application may be raised by sending in an official objection in writing to the Secretary. Note that only FULL members have the right to raise an objection.

Inductions/Orientation

No inductions are outstanding – at last we have caught up !

This is an important process as it ensures that new members are aware of how the Club operates and is intended to save future problems for both the new member and the Club. Club badges and keys will not be issued to new members until they have attended an induction.

Changes to your contact information

Please remember to keep me up to date with changes for contact details, especially **email** changes as this is our preferred method of keeping in touch with you.

Membership status

These figures only include forms received by the Registrar

	Paid 2017/18	Unpaid	Last Year
Full	93	8	96
Associate	8	6	10
Junior	2	1	3
Life	3		3
Pensioner	25	1	26
Probationary	9		13
Prospective	4		
Student	0		
Spouse	1		1
Honorary	0		2
Total	145	16*	154

* includes 7 resigned

Rob Till Registrar

KIT & SCRATCH BUILT SCALE RALLY

Saturday + Sunday November 11th and 12th, 2017

Photos : Colin Nichols, Ivan Chiselett & Frank McPherson



Alan Foley's Lancaster



Brian Hutchinson's nice Seagull (Navy version of the Albatross), Brian is from the Bairnsdale Club



Wally's nice Cub



Brian Evans, Fokker DR1



Alan Foley's introduction to the day's presentations



First Lady, Katrina Foley and Andrew Smallridge selecting a prize winner

KIT & SCRATCH BUILT SCALE RALLY

Saturday + Sunday November 11th and 12th, 2017

Photos : Colin Nichols, Ivan Chiselett & Frank McPherson



Prize winner lineup



Morris Car Club display at the Western car park



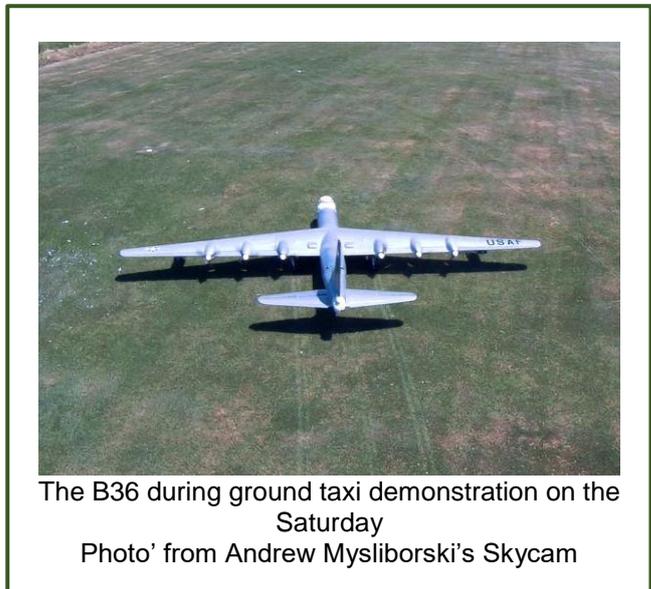
View to the West, a busy model line up



Visitors and Members enjoying the Caterer's food and the fine weather



Our caterer's hard at work



The B36 during ground taxi demonstration on the Saturday
Photo' from Andrew Mysliborski's Skycam

BUILDING A “THUNDERBIRD 40” MODEL

Article by Ian (Thommo) Thompson

I was bought up in the country until we moved to the Melbourne suburbs when I was about 7 years old. At that time all I knew of model aircraft were the Airfix models that came in clear plastic bags that I bought from the newsagent. I spent most of my holidays at my Grandmother's house in Strathmore which was about five minutes bike ride from Essendon Airport.

Grandma would make me sandwiches and a bottle of cordial and then I would ride to the airport and sit and watch the aircraft come and go all day. I was also fortunate that one of my Uncles owned and flew a Tiger Moth but he passed away before I could thumb a lift.

I had never seen control line flying until I saw some boys flying in the park over the road from Grandma's. Needless to say I was hooked. After much nagging my parents bought me my first motor for Christmas, a Taipan 2.5 diesel and that motor powered all of my aircraft as they couldn't afford to buy me any more.

One day I rode over to Caulfield Racecourse because I heard that there were a few boys that flew there and that's when I saw it, the Thunderbird !! It was a large aircraft for it's day with a 54" span and a beautiful elliptical wing – the wing was what attracted me to it and I had to have one.

I managed to obtain a plan from someone and it was well used. It looked as though a couple of models were built over it without any protective covering (wax paper) so it was in a few torn pieces but I managed to trace the ribs onto paper then transferred the images to balsa. A few nights and a packet of Band Aids later I managed to cut all of the parts out with a blunt single edge razor blade. I had never built a tapered wing before but it came out ok and it flew well. 17 years of age and cars and girls appeared on the horizon so modeling took a back seat until my late 20's. I can't remember what happened to the Thunderbird but I have always loved the model and thought about converting one to RC, so I did.

I stayed with the plan except for the wing which had two thin balsa spars at the front 3/16th square and even thinner ones at the back 1/8" square. I thought the wing would clap it's hands in no time so I replaced them with carbon fiber rods and did that make a huge difference !!

I built the "Inline" version but I was also surprised to find out there is a radial version as well with a slightly different fuselage and tail fin. Something else I noticed, while looking at the plan the left wing was one bay longer than the right.

A phone call to Darryll Cope and he told me that it was common in control line models, something I never noticed years ago. I think it's because the outer wing is flying faster than the inner wing so it needs less lift – correct me if I'm wrong. Anyway when I had the plan copied I had it done in reverse so now I have two wing halves with the correct length so all I did was to tape them both together and viola ! one complete wing plan to build over.

The Thunderbird is a typical design of this style of aircraft ie: short coupled, forward mounted undercart and a long nose so I didn't think I would have trouble with it being tail heavy.

Radio installation was a little tight because of the narrow fuselage but plenty of room for slim line batteries. I bought two 2200Mha and piggybacked them so they easily fitted in the battery bay. The motor is accessible from the bottom with plenty of cooling from under and the "in line" cowl on the top.

Livery is as close to original as I could source. Covering is Solartex with black lacquer trim and the graphics are computer generated Vinyl.



Finished T-Bird in all its glory

BUILDING A "THUNDERBIRD 40" MODEL

Article by Ian (Thommo) Thompson



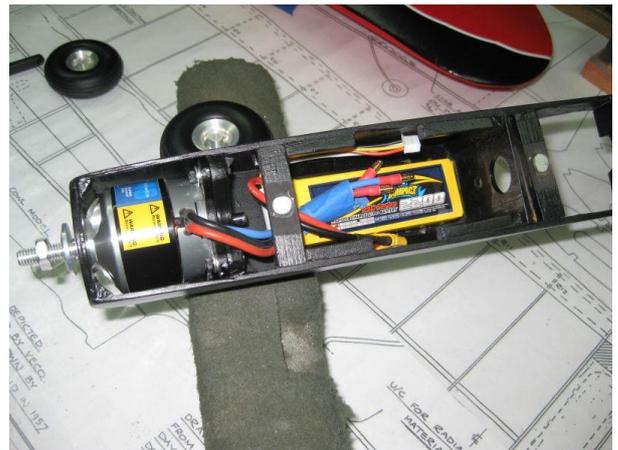
Wing building on the plan, note the carbon fiber spars



Fuselage production



Almost there, much finishing required



Showing the electric power plant



The finished Thunderbird



Man and machine

P&DARCS CALENDAR FOR 2017 & 2018

December 2017

- 02 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
03 (Sun) [VPA Pattern](#) Field Open: **No**
09 (Sat) [P&DARCS Christmas Dinner & Twi-Fly](#)

January 2018

- 18 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)
27 (Sat) - 28 (Sun) [Classic & Vintage Weekend](#) Field Open: **Partial**
28 (Sun) [Roy Robinson](#) Field Open: **Partial**

February 2018

- 04 (Sun) 1:00 pm - 2:30 pm [Club Meeting](#)
15 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)
24 (Sat) [Twi-Fly](#)

March 2018

- 03 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
09 (Fri) - 12 (Mon) [APA World Cup](#) Field Open: **No**
15 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)

April 2018

- 01 (Sun) 1:00 pm - 2:30 pm [Club Meeting](#)
08 (Sun) [Monty Tyrrell Scale Rally 2018](#) Field Open: **No**
19 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)
21 (Sat) - 22 (Sun) [YMAA Trophy](#) Field Open: **No**
21 (Sat) [Twi-Fly](#)

May 2018

- 05 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
17 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)
20 (Sun) [VFSAA Sports Scale](#) Field Open: **Partial**

June 2018

- 03 (Sun) 1:00 pm - 2:30 pm [Club Meeting](#)
21 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)

July 2018

- 07 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
19 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)

August 2018

- 05 (Sun) 1:00 pm - 2:30 pm [Club Meeting & AGM](#)
16 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)

September 2018

- 01 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
20 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)

October 2018

- 07 (Sun) 1:00 pm - 2:30 pm [Club Meeting & Coop AGM](#)
18 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)
20 (Sat) [Twi-Fly](#)
27 (Sat) [Spring Clean & Working Bee](#) Field Open: **Partial**

November 2018

- 03 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
06 (Tue) [Melbourne Cup Aero Tow](#) Field Open: **Partial**
11 (Sun) [P&DARCS Scratch / Kit Built Scale Rally](#) Field Open: **No**
15 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)

December 2018

- 01 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
02 (Sun) [VPA Pattern](#) Field Open: **No**
08 (Sat) [P&DARCS Christmas Dinner & Twi-Fly](#)



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**Next Club meeting Saturday 2nd December
 At the Burley Field, 1-00 pm start**

P&DARCS Newsletter
 Pakenham & District Aircraft Radio Control Society

If undelivered return to
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